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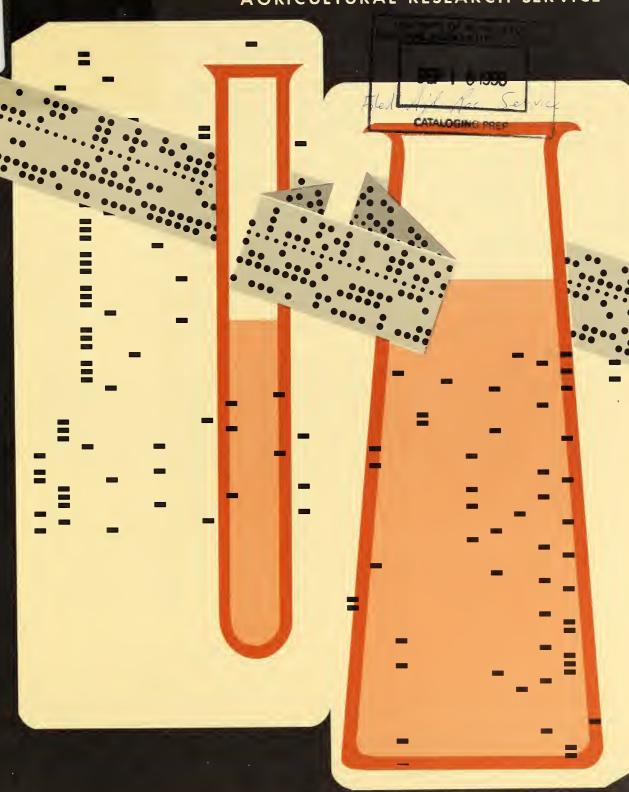
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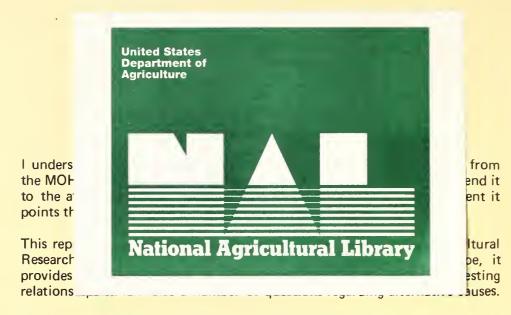
profile of scientists
IN RESEARCH ACTIVITIES
OF THE

AGRICULTURAL RESEARCH SERVICE

Reserve aQ149 .U6P76 1970



MOHR Staff Report Prepared Jointly by Personnel Division of Agricultural Research Service and Office of Personnel, U.S. Department of Agriculture — March 1970



Such studies are important in providing line managers with a fuller understanding of the personnel characteristics of their organizations. However, such studies will merely add unnecessarily to the bulk of our files unless they are accompanied by active involvement of line managers in personnel programs. Personnel development and management cannot be redelegated to staff activities. Staff can only provide the information on which line managers act.

This study and further functions of MOHR, if they are to reach the payoff stage, must result in their utilization by line managers for improvement of our personnel programs. I urge each line administrator, director, branch chief and investigation leader to study this report to determine the questions it raises for each. I further urge each of these persons to become sufficiently involved to obtain within their own units the answers to those questions which will further improve personnel effectiveness and opportunity.

NQ D. Ba

Director

Science and Education

INTRODUCTION

We are pleased to present this report entitled "Profile of Scientists in Research Activities of the Agricultural Research Service." This is the *first* in a series of management reports covering this group of employees being produced from the MOHR data bank—a joint project by the Office of Personnel and the Agricultural Research Service. Similar management reports on other employee groups included in MOHR are planned for the future.

This particular report analyzes educational levels of the scientists covered; distribution of these scientists by institutions from which graduated, occupation, grade, age, and division; authorship of scientific publications; and the interrelationship of some of these factors. Employees included in the study are 3,569 permanent full-time professionals—individual research workers, supervisors, and managers—in GS-7 through GS-18 engaged in research activities of ARS. Thirty-eight occupations and 17 divisions are represented. The data for the report was computer-produced as of November 12, 1969, on the basis of questionnaires completed by employees for the MOHR Program.

The report compares current data on a few factors with that developed from previous studies—the Parker Committee Report of data collected in 1963, and a report prepared by Dr. Byron T. Shaw based on data compiled in 1965. It is expected that additional helpful comparisons of this kind will be possible in the future as comprehensive reports from MOHR data are developed and published.

Some highlights of the report are:

- ... PhD's comprise 47.6% of the scientists studied—up from 39.6% in 1963
- ... 73.2% of the scientists have advanced degrees—up from 67.9% in 1963
- ... Land-grant institutions furnished 71.3% of the scientists—86 institutions educated 83.1% of them
- ... Average grade is GS-12.1-up from GS-11.8 in 1965-for PhD's it is GS-13.1
- . . . Average age is 43.5-for PhD's it is 43.8

Berge a. Luning . f

... Authorships of scientific publications totaled 67,737—an average of 19 per scientist and 25 per PhD holder

It is believed this report will be both informative and useful to those concerned with managing and supervising research programs. We also encourage its circulation to all professional research workers in ARS so that they may have some "feedback" from their input to the MOHR data bank.

Administrator
Agricultural Research Service

Director of Personnel, USDA

Parl & Barner

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OVERVIEW OF DEGREE LEVEL, GRADE, AND AGE OF ARS SCIENTISTS NOVEMBER 1969

Distribution of Scientists by Degree Levels

	Scie	ntists
Degree Level	No.	%
PhD	1701	47.6
DVM	36	1.0
MS	877	24.6
BS	920	25.8
Less than BS	35	1.0
TOTAL	3569	100.0

Distribution of Scientists by Grade Groups

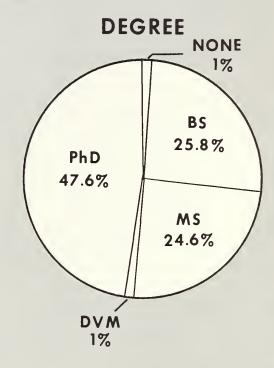
	Scien	ntists
Grade Group	No.	%
GS-14 and Above	757	21.2
GS-12 and 13	1846	51.7
GS-7, 9, and 11	966	27.1
TOTAL	3569	100.0

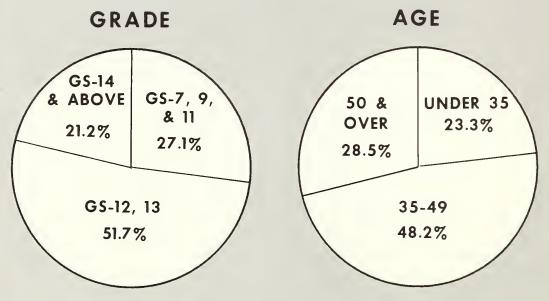
Distribution of Scientists by Age Groups

	Scier	ntists
Age Group	No.	%
50 or more years of age 35 - 49 years of age Under 35 years of age	1017 1719 833	28.5 48.2 23.3
TOTAL	3569	100.0

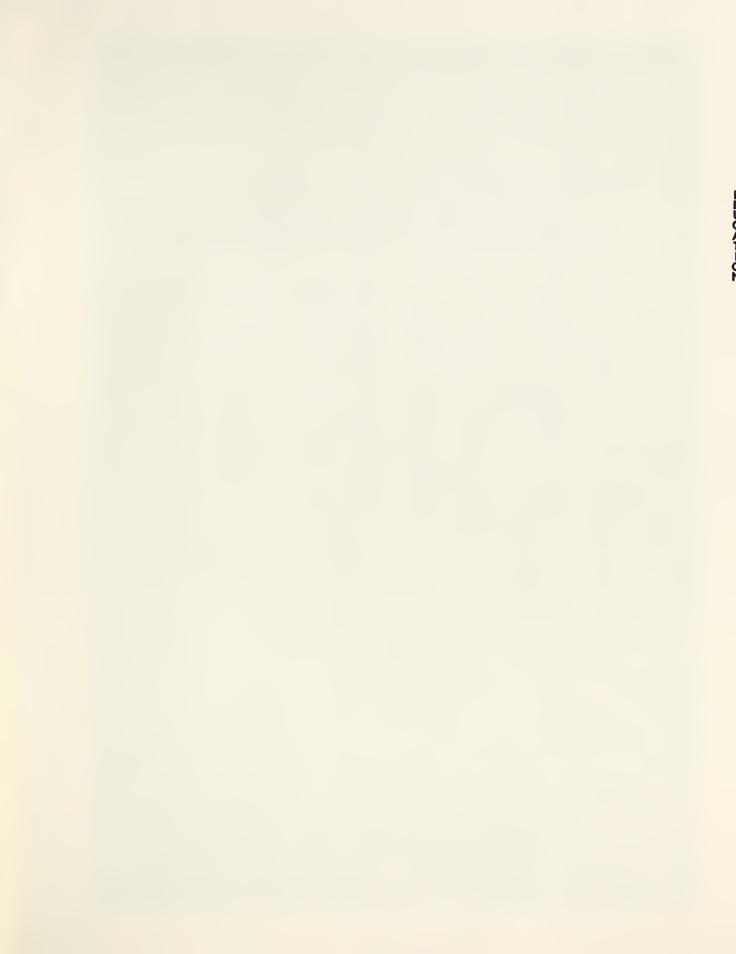
NOTE: Scientists with DVM plus either PhD or MS degrees are included in the PhD or MS groups throughout this report.

PERCENT DISTRIBUTION OF SCIENTISTS BY DEGREE LEVEL, GRADE, AND AGE GROUP





NOVEMBER 1969

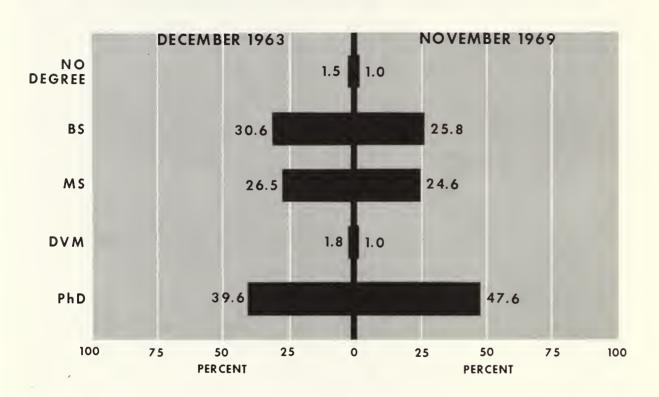




COMPARISON OF DISTRIBUTION OF SCIENTISTS BY DEGREE LEVEL DECEMBER 1963 - NOVEMBER 1969

Downer Level		12/63	- Allegan manager	11/69		from 196	3
Degree Level	No.	[~] %	No.	%	No.	%	
No Degree	53	1.5	35	1.0	-18	-34.0	1
BS	1056	30.6	920	25.8	-136	-12.9	
MS	917	26.5	877	24.6	-40	-4.4	
DVM	62	1.8	36	1.0	-26	-41.9	
PhD	1368	39.6	1701	47.6	+333	+24.3	
TOTAL	3456	100.0	3569	100.0	+113	+3.3	

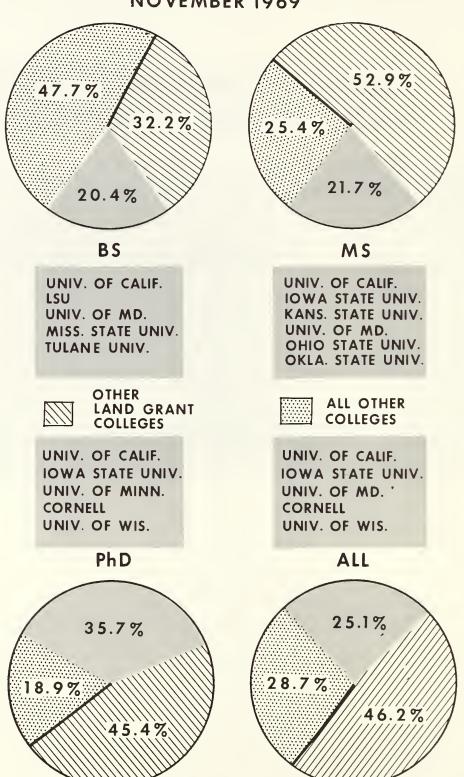
COMPARATIVE PERCENT DISTRIBUTION OF SCIENTISTS BY DEGREE LEVEL



ANALYSIS OF RECRUITMENT SOURCES

- ... Land-grant institutions furnished 2519, or 71.3% of the scientists—49.3% of Bachelors, 74.6% of Masters, 86.1% of DVM's, and 81.1% of PhD's.
- ... 888 scientists were the product of five universities.
- ... Foreign institutions educated 1.0% of the total.
- ... 57 land-grant and 29 non-land-grant schools—for a total of 86—educated 83.1% of all scientists. Names of these primary recruitment sources showing the number of graduates by degree levels from each school appear on pages 8 and 9.

PERCENT DISTRIBUTION OF SCIENTISTS BY DEGREE LEVEL AND RECRUITMENT SOURCES NOVEMBER 1969



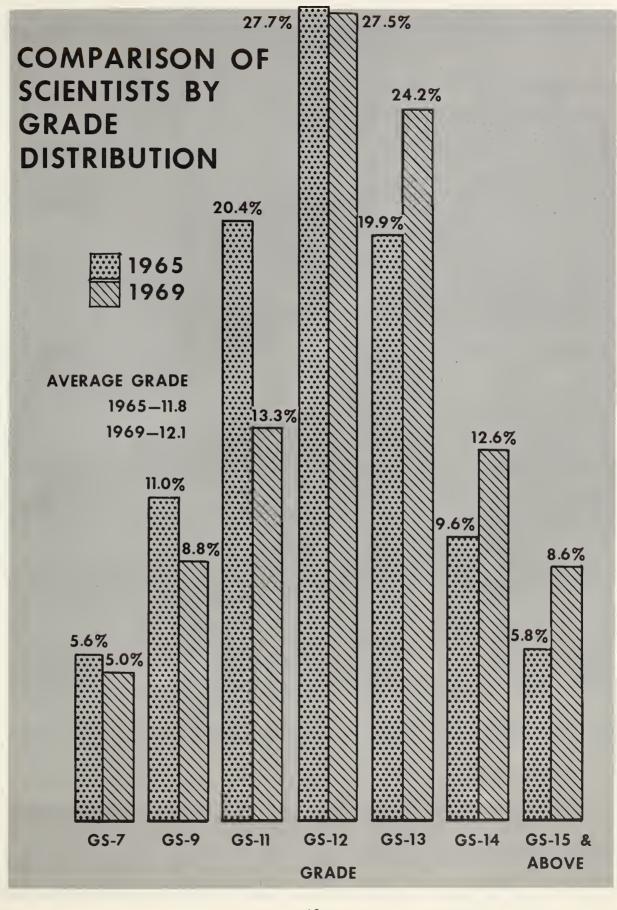
LISTING OF PRIMARY RECRUITMENT SOURCES NOVEMBER 1969

LAND-GRANT SCHOOLS	BS	MS	DVM	PhD	TOTAL
Auburn University, Alabama	6	16	2	12	36
Alabama A&M	1				1 .
Arizona, University of	4	7		5	16
Arkansas, University of	3	11			14
A&M Normal College, Arkansas	2				2
California, University of	53	31	1	137	222
Colorado State University	10	16	2	14	42
Connecticut, University of	1	-:		5	6
Delaware, University of	3	2			5
Delaware State College			~-	1	1
Florida, University of	11	15	·	15	41
Florida A&M University	1			4.0	1
Georgia, University of	11	24	2	12	49
Georgia Institute of Technology	7	2 3			9
Hawaii, University of	4	8		5 1	13
Idaho, University of	15	20		82	117
Illinois, University of	10	19		69	98
Purdue University, Indiana	18	38	5	117	178
Kansas State University	14	34	1	34	83
Kentucky, University of		8		1	9
Louisiana State University	21	13		20	54
Southern University, Louisiana	2				2
Maine, University of	4	1			5
Maryland, University of	56	37		80	173
Maryland State College	1				1
Massachusetts, University of		3		11	14
Michigan State University	5	22	4	46	77
Minnesota, University of	7	24		93	124
Mississippi State University	28	15		5	48
Missouri, University of	8	15		15	38
Nebraska, University of	6	21		24	51
New Hampshire, University of		1	1	2	3
Rutgers University, New Jersey	2	5		29	36
New Mexico State University		3		100	120
Cornell University, New York	8 5	18 7	3	100 32	129 44
North Carolina State College	2			JZ 	2
North Carolina, A&T College of	13	13		6	32
North Dakota State University	8	25	3	42	78
Ohio State University	8	25		19	52
Oregon State University	5	19)	40	64
Pennsylvania State University	11	10		29	50
Puerto Rico, University of	3	1			4
Rhode Island, University of	2	2	1	1	5
Clemson College, South Carolina	13	14	}	5	32
South Dakota State University	2	6		4	12
Tennessee, University of	6	9	}	3	18
			1		10

Texas A&M College Utah State University Vermont, University of. Virginia State College. Virginia Polytechnic Institute Washington State University West Virginia University Wisconsin, University of Wyoming, University of SUB-TOTAL	10 8 6 10 3 11 2 454	23 16 1 1 15 9 3 14 9 654	6 2 31	36 13 1 9 35 5 161 3 1380	75 37 2 1 30 56 11 186 14 2519
NON-LAND-GRANT SCHOOLS					
Alabama, University of Tuskegee Institute, Alabama American University, D.C. Catholic University, D.C. Galludet College, D.C. Georgetown University, D.C. George Washington University, D.C. Howard University, D.C. Florida State University Bradley University, Illinois Chicago, University of, Illinois Iowa, University of Kansas, University of Tulane University, Louisiana Massachusetts Institute of Technology Harvard University, Massachusetts Michigan, University of Columbia University, New York Syracuse University, New York North Carolina, University of Drexel Institute of Technology, Pa. Temple University, Pennsylvania Chestnut Hill College, Pennsylvania Pittsburgh, University of, Pennsylvania Pennsylvania, University of Washington, University of Washington, University of	4 1 2 13 5 4 15 1 30 2 5 1 4 15 8 6 1 9 7 4 6	 3 1 2 10 2 3 16 7 4 6 20 2 3 9 2 7 4 7 4 3 5 2 3	1	1 2 8 8 8 2 1 16 15 6 8 6 7 5 1 10 2 16 4 9 6 4 1	4 1 4 2 10 31 7 9 32 23 20 13 58 8 10 16 8 18 6 20 22 22 6 8 23 15 11 7
SUB-TOTAL	144	125	1	148	418
TOTAL FROM PRIMARY RECRUITMENT SOURCES	598	779	32	1528	2937
SCIENTISTS FROM OTHER DOMESTIC SCHOOLS	315	95	2	149	561
SCIENTISTS FROM FOREIGN SCHOOLS	7	_3	_2		36
GRAND TOTAL	920	877	36	1701	3534







NUMBER OF SCIENTISTS BY GRADE AND OCCUPATION NOVEMBER 1969

GRADES									
OCCUPATIONS	TOTAL	% of Total	7	9	11	12	13	14	15+
Agronomy Botany Entomology General Biological Sciences Genetics Home Economics Horticulture Husbandry Microbiology Pharmacology Physiology Plant Pathology Plant Physiology Range Conservation Soil Science Veterinary Medical Science Zoology.	185 34 414 181 105 27 67 68 120 4 19 196 155 18 210 189 51	5.2 0.9 11.6 5.1 2.9 0.8 1.9 1.9 3.4 0.1 0.5 5.5 4.3 0.5 5.9 12.5 1.4	13 3 10 19 3 5 6 2 6 4	15 2 31 15 2 6 3 10 9 1 5 11 2 21 3	13 3 66 8 7 7 12 9 17 2 13 8 1 16 5 5	44 11 150 12 36 3 26 17 35 1 5 90 52 5 62 15 13	61 11 108 9 37 2 11 18 25 1 6 60 58 8 66 39 11	31 33 38 18 5 8 9 23 3 20 16 2 21 19 13	8 1 16 80 5 1 2 5 2 6 10 18 11 2
TOTAL BIOLOGICAL SCIENCES	1943	54.4	76	136	192	577	531	262	169
Agricultural Engineering Architecture	249 5 66 53 2 3 15 15	7.0 0.1 1.9 1.5 0.1 0.1 0.4 0.4 0.6	7 1	27 1 3 4 1 1	60 10 13 2 1 2 4 5	68 2 19 14 2 3 6 8	50 2 19 11 8 5 4	23 6 5 1 2	14 9 6 1
TOTAL ENGINEERING	430	12.1	8	37	97	122	99	37	30
Chemistry	970 39 8 37 1054	27.2 1.1 0.2 1.0 29:5	82 4 1 87	113 3 5 121	150 2 1 7 160	240 2 7 249	187 5 10 202	123 5 4 132	75 25 3 103
Economist	23 49 10 3 8 2 23 24 142	0.6 1.4 0.3 0.1 0.2 0.1 0.6 0.7	1 3 1 2 7	3 11 2 4 1 21	6 7 4 1 2 2 2 2	4 10 2 2 1 4 10 33	3 12 1 2 1 6 8	1 1 6 2 18	1 3 1 1 6
TOTAL	3569	100.0	178	315	473	981	865	449	308

¹ Includes 53 scientists who have PhD or MS degrees in addition to DVM degrees.

DISTRIBUTION OF SCIENTISTS BY DEGREE LEVEL AND GRADE LEVEL NOVEMBER 1969

						DEGREE	LEVEL					
And the second of the second o	TO	TAL	No D	egree		3S	M	S	D'	VM	Phi	D
GRADE LEVEL	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
TOTAL	3569	100.0	35	1.0	920	25.8	877	24.6	36	1,0	1701	47.6
GS-15 and above	308	8.6	1		34	.9	42	1.2	13	.4	218	6.1
GS-14	449	12.6			43	1.2	67	1.9	4	.1	335	9.4
GS-13	865	24.2	6	.2	114	3.2	148	4.1	10	.3	587	16.4
GS-12	981	27.5	8	.2	199	5.6	252	7.1	6	.2	516	14.4
GS-11	473	13.3	12	.4	196	5.5	220	6.2	3		42	1.2
GS-9	315	8.8	7	.2	179	5.0	126	3.5			3	.1
GS-7	178	5.0	11		155	4.4	22	.6				
AVERAGE												
GRADE	GS-12	.1	GS-11	1.1	GS-10).7	GS-1	1.7	GS-	13.5	GS-13	3.1

PERCENTAGE DISTRIBUTION OF SCIENTISTS BY GRADE AND OCCUPATION* NOVEMBER 1969

OCCUPATIONS	Average	Per	centage [Distributi	on by Gr	ade with	in Occupa	tions
OCCUPATIONS	Grade	GS-7	GS-9	GS-11	GS-12	GS-13	GS-14	GS-15+
Agronomy	12.1	7.0	8.1	7.0	23.8	33.0	16.8	4.3
Entomology	12.0	2.4	7.5	15.9	36.2	26.1	8.0	3.9
General Biological								
Science	12.8	10.5	8.3	4.4	6.6	5.0	21.0	144.2
Genetics	12.7		1.9	6.7	34.3		17.1	4.8
Horticulture	11.8	7.5	4.5	17.9	38.8	16.4	11.9	3.0
Husbandry	11.6	7.4	14.7	13.2	25.0	26.5	13.2	
Microbiology	12.1	5.0	7.5	14.2	29.2		19.2	4.1
Plant Pathology	12.4	1.0	2.6	6.6	45.9	30.6	10.2	3.1
Plant Physiology	12.5		7.1	5.2	33.5	37.4	10.3	6.5
Soil Science	12.3	2.9	10.0	7.6	29.5	31.4	10.0	8.6
Veterinary Medical								
Science	13.2			5.6	16.9	43.8	21.3	12.4
Zoology	12.2	7.8	5.9	9.8	25.5	21.6	25.5	3.9
Agricultural Engineering	11.9	2.8	10.9	24.1	27.3	• ·	9.2	5.6
Chemical Engineering	12.6		4.5	15.2	28.8	28.8	9.1	13.6
Civil Engineering	12.3		7.6	24.5	26.4		9.4	11.3
Chemistry	11.8	8.5	11.6	15.5	24.7		12.7	7.7
Food Technology	11.4	6.1	22.5	14.3	20.4	24.5	6.1	6.1

^{*}Occupations with 49 or more employees

¹ Includes Branch Chiefs, Division Directors, and other top program managers



DISTRIBUTION OF SCIENTISTS BY AGE GROUPS NOVEMBER 1969

Average age, all scientists - 43.5 years of age
PhD - 43.8

DVM - 47.4 MS - 43.5 BS - 42.5 No Degree - 51.3

Average Age by Grade Group

GS-7 - 30.6 years of age

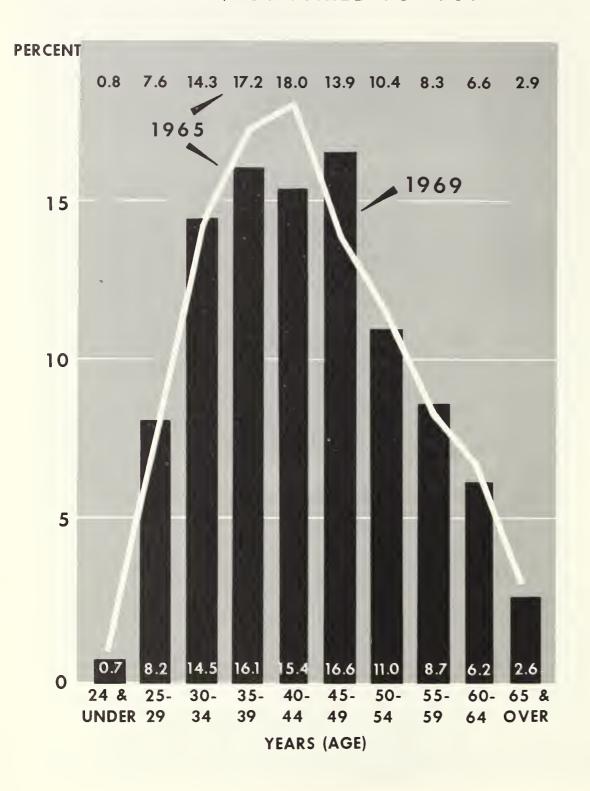
GS-9 - 36.2 GS-11 - 41.0 GS-12 - 41.9 GS-13 - 45.2

GS-14 - 49.1

GS-15 & Above - 54.5

DISTRIBUTION OF SCIENTISTS BY AGE GROUPS

1965 COMPARED TO 1969

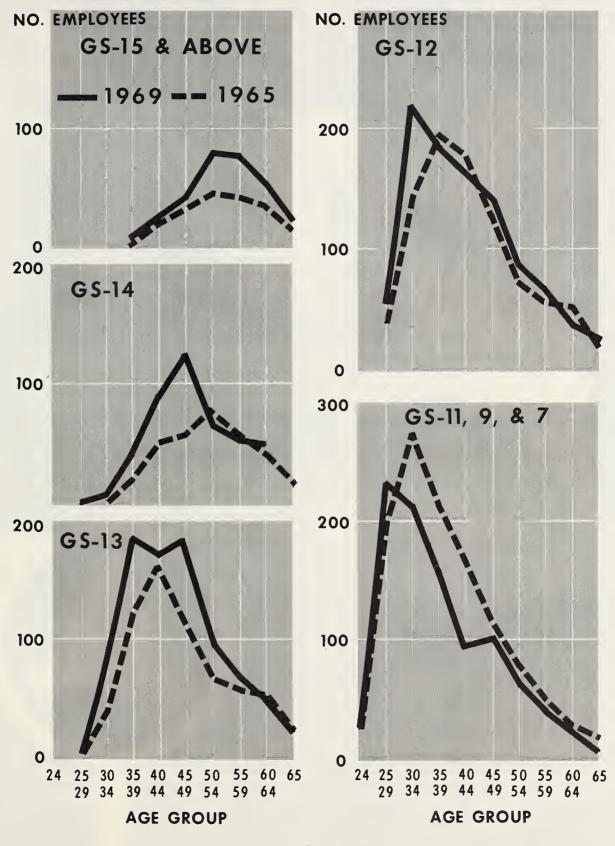


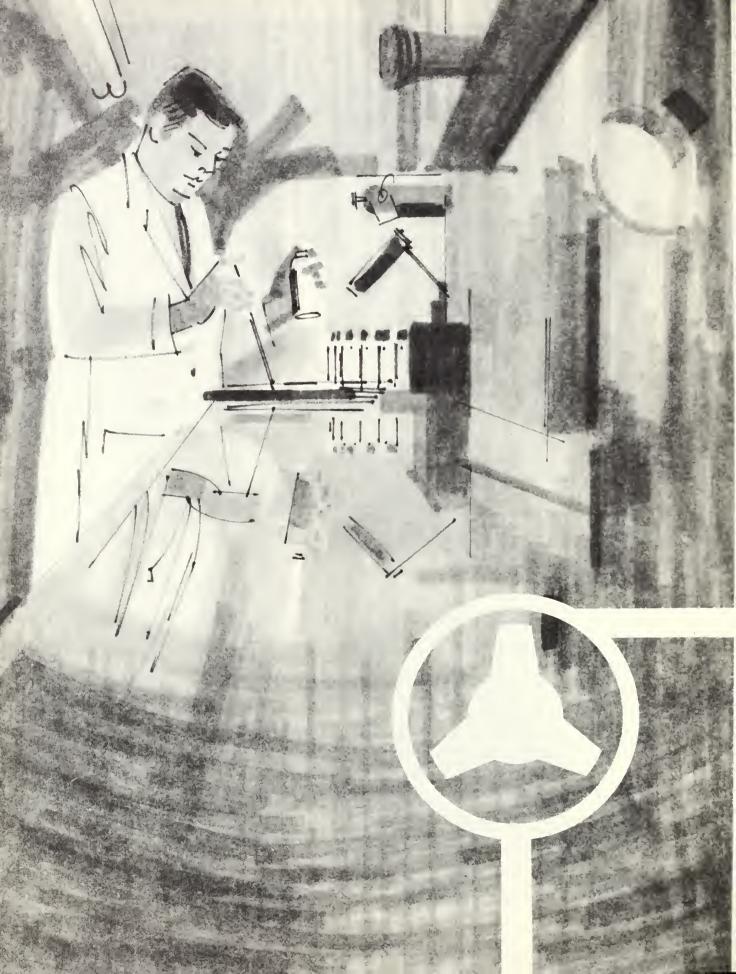
PERCENTAGE DISTRIBUTION OF SCIENTISTS BY DEGREE LEVELS WITHIN AGE GROUPS NOVEMBER 1969

	Age Groups	No Degree	BS	MS	DVM	PhD	g Garage Species
	TOTAL	1.0	25.8	24.6	1.0	47.6	et francisco (n. 1864) Rest Villago (n. 1864) Rest Villago (n. 1864)
	Under 25	I	92.3	7.7			
	25 - 29	0.3	45.7	33.0	0.3	20.7	
	30 - 34	0.2	24.0	27.5	0.6	47.7	
	35 - 39	0.3	21.4	20.0	0.7	57.6	
	40 - 44	0.7	18.5	19.3	1.3	60.2	
1 2 5 × 4 9	45 - 49	0.8	23.6	25.6	0.7	49.3	
** * *	50 - 54	1.5	27.2	24.4	1.8	45.1	
77 39	55 - 59	3.6	27.5	28.8	1.9	38.2	
	60 - 64	1.4	27.2	25.3	1.8	44.3	
	65 and Over	2.1	23.4	24.5		50.0	1

DEGREE DISTRIBUTION BY AGE GROUP NOVEMBER 1969 100 80 33.0 60 25.3 25.6 24.5 40 24.6 20.0 20 27.5 27.2 25.8 23.4 23.6 24.0 21.4 18.5 8.0 0.3 0.2 0 25-24 30-35-40-45-50-55-65 & OVER 60-29 39 34 44 49 54 59 64 AGE NO DEGREE BS DVM PhD

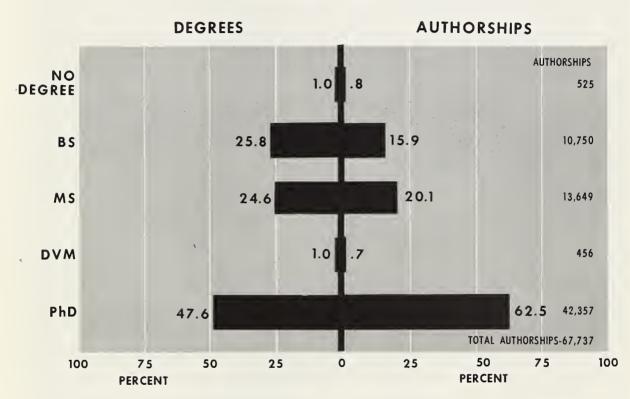
DISTRIBUTION OF SCIENTISTS BY AGE GROUP AND GRADE







DEGREE LEVEL vs AUTHORSHIP NOVEMBER 1969



DISTRIBUTION OF AUTHORSHIPS BY GRADE LEVELS NOVEMBER 1969

		AUTHORSHIPS		
GRADE LEVEL	Number	Percent of Total	Average per Scientist	
TOTAL	67,737	100.0	19.0	
GS-15 and above	14,843 16,574 19,265 12,085 3,773 1,016 181	21.9 24.5 28.4 17.8 5.6 1.5	48.2 36.9 22.3 12.3 8.0 3.2 1.0	;

AVERAGE NUMBER OF AUTHORSHIPS BY DEGREE LEVEL NOVEMBER 1969

Degree Level	Average per Scientist
PhD	24.9
DVM	12.7
MS	15.6
BS	11.7



62.8% 35.6% 22.1% NUMBER AND PERCENTAGE OF SCIENTISTS BY DIVISIONS* 13.7% 12.1% 6.8% 6.8% 6.4% 5.7% 4.7% 4.5% 4.2% 1.7% 1.4% 1.4% 0.3% **NOVEMBER 1969** 168 204 159 788 489 49 62 242 228 10 10 244 1269 433 2241 235 Northern Utilization Research & Development Division (NU) Southern Utilization Research & Development Division (SU) Western Utilization Research & Development Division (WU) Eastern Utilization Research & Development Division (EU) Southeastern Agricultural Research Laboratory (SEARL) Consumer & Food Economics Research Division (CFE) Soil & Water Conservation Research Division (SWC) Animal Disease & Parasite Research Division (ADP) Transportation & Facilities Research Division (TF) Agricultural Engineering Research Division (AE) Animal Husbandry Research Division (AH) Human Nutrition Research Division (HN) Market Quality Research Division (MQ) Entemology Research Division (ENT) Marketing & Nutrition Research: Crops Research Division (CR) SUB-TOTAL SUB-TOTAL Farm Research:

*Each Division will be identified hereafter by the abbreviations as shown in parenthesis above.

GRAND TOTAL

1.3%

0.3%

International Programs Division (IPD)

SUB-TOTAL

Office of Administrator (OA)

1.6%

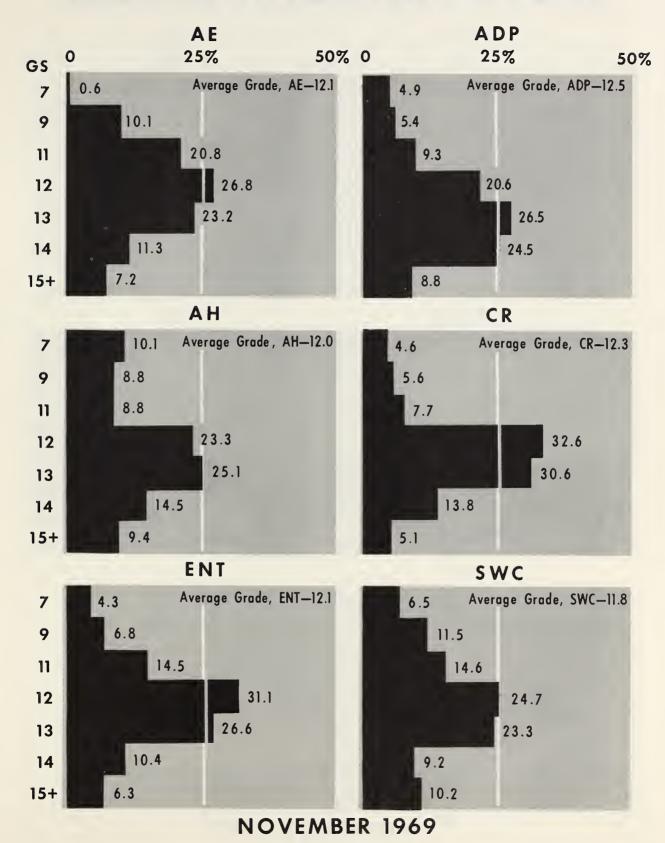
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3569

COMPARATIVE NUMBERS OF SCIENTISTS BY DIVISION BY DEGREE

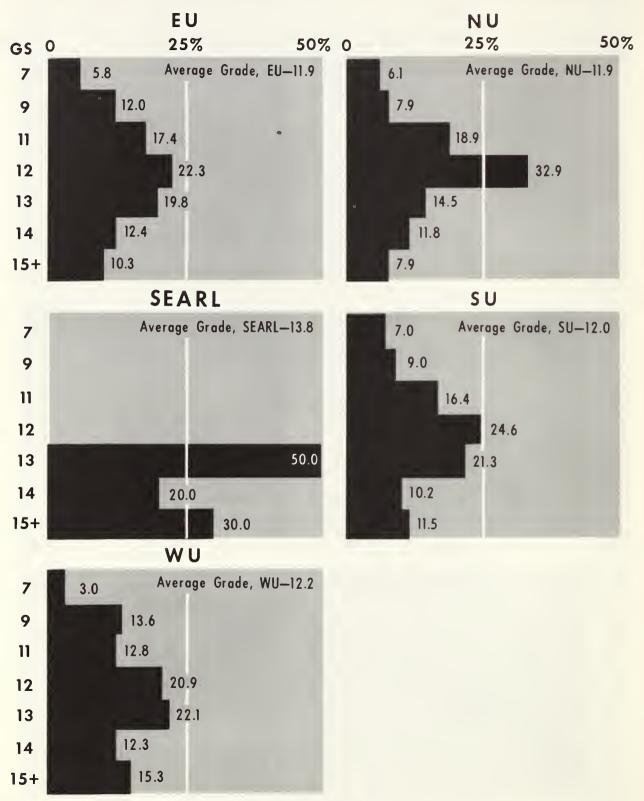
COMPARALIVE N	E NUMBER DECEMBER	2	1963	- NO	VEMBER	BER	196	9 6	2	T DEG	2 2 1	ы	
	None 1963 1969		BS 1963	1969	N 1963	MS 1969	DVM 1963 1969	M 1969	PhD 1963 1969	D 1969	TOTAL 1963 1969	AL 1969	
Farm Research:					and the same of		Ī		Ţ			The second secon	
AE	-	က	74	54	54	88	;	;	=	23	140	168	
ADP	:	1	31	45	46	47	29	28	54	84	190	204	
AH	4 <	; ~	33	33	41	31	7	,	77	94	157	159	
) W	t m	വ	143	101	118	137	: :		159	245	423	789 489	
SWC	:	2	104	06	166	161	:	:	142	180	412	433	
SUB-TOTAL	12	13	461	401	584	584	61	30	196	1213	2079	2241	
Marketing & Nutrition Research:													
CFE	;	2	17	18	20	19	;	;	O	10	46	49	
	9	:	23	14	24	1 = 1	;	:	18	24	71	49	
MQ	4	-	48	33	44	41	;	;	48	75	144	150	
TF	ω (0 5	20	8 8	27	20	;	:	9 6	2 2	91	62	
	<u>.</u>	<u> </u>	100	94		43 C	;	;	287	က ဂ	717	242	
SEARL	*	۱ ;	*	- -	*	200	*	; ;	*	20	*	10	
SU	7	က	137	126	62	54	:	:	43	61	249	244	
	က	12	113	06	46	32	:	-	86	107	260	235	
SUB-TOTAL	41	22	579	505	304	772	0	-	374	464	1298	1269	
Other:													
OA and IPD	:	:	16	4	29	16	-1	2	33	24	79	29	
GRAND TOTAL	123	35	1056	920	917	<u>1778</u>	62	36	1368	1701	3456	3569	
*SEARL Division was established in April 1968	ed in April 1	896											

GRADE DISTRIBUTION BY DIVISIONS

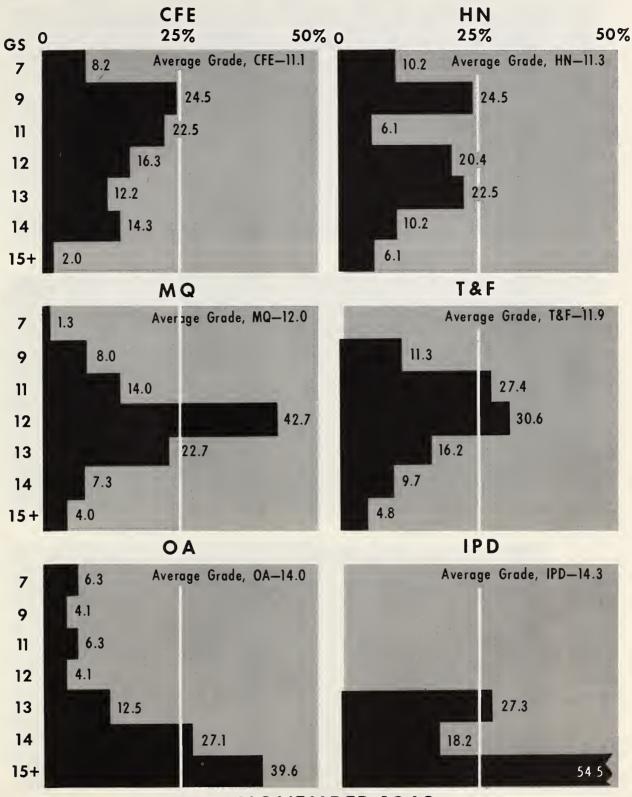


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GRADE DISTRIBUTION BY DIVISIONS



GRADE DISTRIBUTION BY DIVISIONS



AGE BY DIVISION AE ADP 30% 0 10% 0 10% 20% 20% 30% 65+ 1.2 Average Age, AE-42.2 2.0 Average Age, ADP-43.7 5.4 5.4 60-64 55-59 8.3 8.8 50-54 10.8 11.3 45-49 19.0 20.1 40-44 10.7 16.6 15.7 35-39 12.5 30-34 17.9 14.2 13.1 25-29 4.4 < 24 .6 2.0 AH CR Average Age, AH-41.6 2.7 Average Age, CR-43.9 3.1 65+ 5.7 6.2 60-64 7.3 6.3 55-59 50-54 3.8 12.0 45-49 18.2 16.4 15.7 40-44 19.2 35-39 17.6 17.4 12.2 17.0 30-34 6.1 11.3 25-29 1.3 .5 < 24 ENT SWC Average Age, ENT-42.2 65+ 3.7 1.6 Average Age, SWC-41.6 60-64 6.8 4.9 5.9 55-59 5.8 50-54 6.8 9.2 45-49 13.3 16.9 15.5 40-44 14.3 35-39 19.4 17.8 30-34 19.4 19.4 8.8 9.9 25-29 < 24 .4 .2

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AGE BY DIVISION EU NU 10% 10% 20% 30% 30% 0 20% Average Age, NU-43.0 Average Age, EU-43.7 65+ 2.5 .5 6.6 60-64 6.6 8.3 55-59 12.4 8.2 12.3 50-54 21.1 14.9 45-49 11.1 14.0 40-44 20.6 12.4 35-39 16.2 30-34 11.2 25-29 12.0 6.1 .5 2.5 < 24 SEARL SU 20.0 3.7 Average Age, SU-46.0 65+ 60-64 7.8 10.0 10.7 55-59 18.8 10.0 50-54 12.7 45-49 10.0 40.0 17.6 40-44 12.3 35-39 10.0 10.7 30-34 5.3 25-29 < 24 Average Age, SEARL-45.0 .4 WU Average Age, WU-45.4 3.8 65+ 60-64 6.4 55-59 12.3 50-54 15.8 16.2 45-49 12.3 40-44 14.0 35-39 30-34 10.2 25-29 8.5 < 24

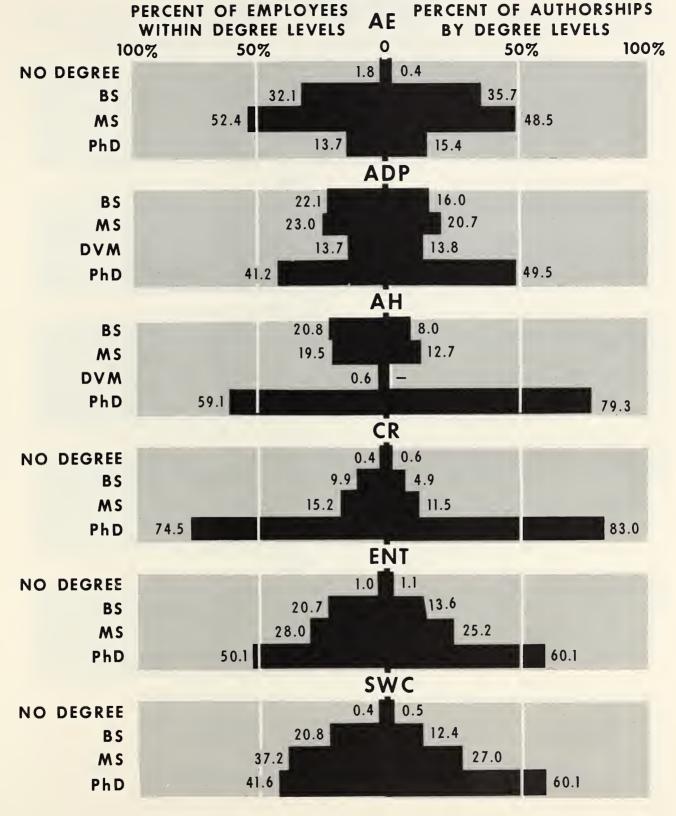
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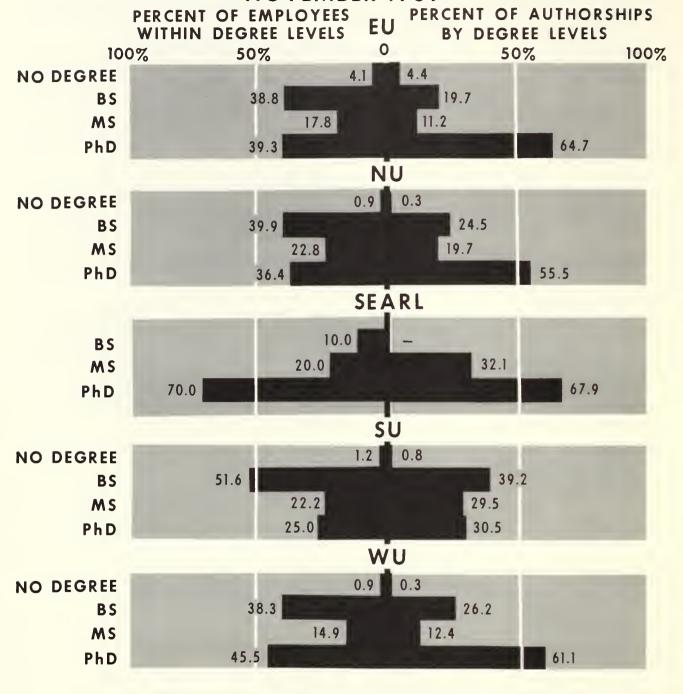
AGE BY DIVISION HN CFE 0 10% 10% 20% 30% 0 20% 30% Average Age, HN-42.4 Average Age, CFE-49.5 2.0 2.0 65+ 6.2 14.3 60-64 32.7 4.1 55-59 12.2 50-54 10.2 18.4 12.2 45-49 4.1 20.4 40-44 35-39 10.2 10.2 30-34 8.2 10.2 25-29 4.1 14.3 < 24 2.0 2.0 T&F MQ Average Age, MQ-44.2 8.1 65+ 2.7 2.7 1.6 60-64 4.8 55-59 8.6 15.3 6.5 50-54 25.8 20.0 45-49 12.9 18.0 40-44 35-39 14.7 8.1 30-34 12.0 16.1 6.0 25-29 14.5 < 24 1.6 Average Age, T&F-42.4 OA IPD Average Age, OA-47.5 65+ 9.1 27.3 8.3 60-64 27.1 55-59 9.1 12.5 50-54 27.3 18.8 45-49 9.1 8.3 9.1 40-44 35-39 8.3 9.1 6.3 30-34 10.4 25-29 <24 Average Age, IPD-53.9

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